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(71) Applicant *(for FR only)*: **SERVICES PETROLIERS SCHLUMBERGER** [FR/FR]; 42, rue Saint Dominique, F-75007 Paris (FR).

(71) Applicant *(for AE, AL, AU, AZ, BG, CO, CZ, DE, DK, GR, HU, ID, IE, IL, IT, KP, KR, KZ, LT, MX, MY, NO, NZ, OM, PL, RO, RU, SI, SK, TM, TN, TR, TT, UA, UZ, ZA only)*: **SCHLUMBERGER TECHNOLOGY B.V.** [NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).

(71) Applicant *(for GB, JP, NL only)*: **SCHLUMBERGER HOLDINGS LIMITED**; P.O. Box 71, Craigmuir Chambers, Road Town, Tortola (VG).

(71) Applicant *(for CA only)*: **SCHLUMBERGER CANADA LIMITED** [CA/CA]; 525-3rd Avenue S.W., Calgary, Alberta T2P 0G4 (CA).

(71) Applicant *(for all designated States except AE, AL, AU, AZ, BG, CA, CO, CZ, DE, DK, FR, GB, GR, HU, ID, IE, IL, IT, JP, KP, KR, KZ, LT, MX, MY, NL, NO, NZ, OM, PL, RO, RU, SI, SK, TM, TN, TR, TT, UA, US, UZ, ZA)*: **PRAD RESEARCH AND DEVELOPMENT LIMITED**; P.O. Box 71, Craigmuir Chambers, Road Town, Tortola (VG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RAYSSIGUIER, Christophe** [FR/FR]; Etudes & Productions Schlumberger, 1, Rue Henri Becquerel, F-92142 Clamart Cedex (FR). **ALLOUCHE, Mickael** [FR/FR]; Etudes & Productions Schlumberger, 1, Rue Henri Becquerel, F-92142 Clamart Cedex (FR). **PROST, Denis** [FR/FR]; Etudes & Productions Schlumberger, 1, Rue Henri Becquerel, F-92142 Clamart Cedex (FR).

(74) Agent: **ETUDES & PRODUCTIONS SCHLUMBERGER**; 1, rue Henri Becquerel - BP 202, F-92142 Clamart Cedex (FR).

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(54) Title: METHOD AND APPARATUS TO CEMENT A PERFORATED CASING

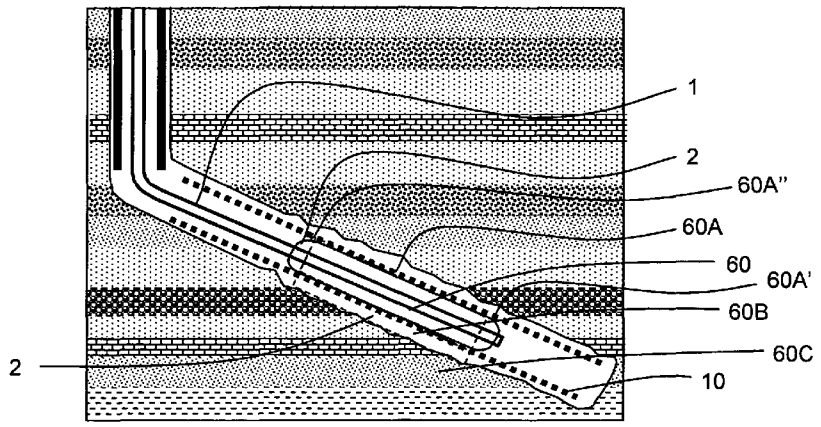


Figure 6C

(57) Abstract: The invention discloses an apparatus (40) comprising: a setting section (1) surrounded by a first sleeve (2), said first sleeve being expandable and impermeable to a material; an inflating means (1a, 3a) for inflating said first sleeve, said inflating means ensuring that the first sleeve can be in contact with a first zone (60a) of a tube (10) which is permeable to said material, so that said first zone of said tube becomes impermeable to said material; and further comprising a second sleeve portion (4) partially permeable to said material on a second zone (60A') and attached to said first sleeve so that: a path (2a) is provided between said first sleeve and said second sleeve portion and so that, when the first sleeve is inflated the second zone can be in contact with said tube allowing the material to flow in the path and through the second zone. Also, the invention discloses the associated method for treatment of a near zone and/or a far zone of a well with the disclosed apparatus.

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	DE 198 55 048 C1 (NIEDERSAECHSISCHES LANDESAMT F [DE]) 13 April 2000 (2000-04-13) column 1, line 35 - line 45; figure 1 column 2, line 10 - line 21; claim 1	1-4, 7-10,15, 16 5,6, 11-14, 17-26
Y	US 2 581 070 A (BLOOD ROBERT H) 1 January 1952 (1952-01-01) figures 3,4	5
Y	US 5 697 441 A (VERCAEMER CLAUDE JOSEPH [US] ET AL) 16 December 1997 (1997-12-16) cited in the application claim 1; figure 1	6,11-14

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Dantinne, Patrick

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/111236 A1 (SERAFIN WITOLD P [CA] ET AL) 19 June 2003 (2003-06-19) abstract	17-26
A	WO 2005/088064 A (HALLIBURTON ENERGY SERV INC [US]) 22 September 2005 (2005-09-22) paragraph [0163] - paragraph [0180]; figures 49-52	1,14

INTERNATIONAL SEARCH REPORT

Information on patent family members

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